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VirtualFree(LPVOID,SIZE_T,DWORD) function [Base]
Subsequently, you can call **VirtualAlloc** to commit it, or VirtualFree to release it.
Attempts to read from or write to a reserved page results in an **access ...**
msdn.microsoft.com/library/ en-us/memory/base/virtualfree.asp - 18k - <u>Cached</u> - <u>Similar pages</u>

VirtualFree
Attempting to read from or write to a free page results in an **access** violation
exception. VirtualFree can decommit an **uncommitted** page. ...
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Heap Walker - The Code Project - C++ / MFC
Region Details in Heap:: Committed Block Size::12288 **UnCommitted** Block Size::0.
This region represents the region which is managed by the **VirtualAlloc ...**
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region details in Heap:: committed block size::12288 **uncommitted** block size::0.
this region represents The region which is managed By The **VirtualAlloc ...**
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CodeGuru: Inflable Arrays in Win32
... of virtual memory, but leave the memory **uncommitted**. ... the place where the **access**
violation occured. ... __try { \ __pBaseAddress = ::**VirtualAlloc**(NULL, (unsigned ...
www.codeguru.com/Cpp/Cpp/ cpp_mfc/buffers/print.php/c4113/ - 22k - Supplemental Result -
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CodeGuru: Inflable Arrays in Win32
The idea behind The Inflable array is to reserve a really large block of Virtual
Memory, but leave The Memory **uncommitted**. The **access** to that Memory is ...
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CodeGuru: HeapWalker
heap Memory functions provide better control as compared to **VirtualAlloc ...**
Attempting to read from or write to a reserve page will cause an **access ...**
codeguru.earthweb.com/Cpp/ W-P/win32/tutorials/article.php/c9495/ - 73k - Supplemental Result -
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#include <windows.h> #include <stdio.h> #include <stdlib.h> ...
... more * pages, with an **uncommitted** page on ... minefield_admin, minefield_npages*2, **access**,
NULL); } static ... d\n", size); minefield_region = **VirtualAlloc**(NULL, size ...
www.tartarus.org/~simon-anonsvn/ viewcvs.cgi/putty-0.51/misc.c?rev=821 - 9k - Supplemental Result -
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Windows Memory Management

The primary functions are **VirtualAlloc** and VirtualFree. ... An attempt to decommit an **uncommitted** page will not cause the function to fail. ...
www.openroad.org/school/gui/winmem.html - 32k - <u>Cached</u> - <u>Similar pages</u>

[PDF] <u>Win32 Info Chapter 3</u>
File Format: PDF/Adobe Acrobat
A Win32 application can call **VirtualAlloc**() to reserve a region of free pages
... attempt to **access** an **uncommitted** page will cause a page fault exception. ...
www.jps.at/papers/Win32%20API%203.pdf - <u>Similar pages</u>

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Microsoft SQL Server 2000 (64-bit): Intel Itanium Processor ...
... is allocated within a large page, only one **TLB** miss will probably be incurred.
Large pages are allocated through the standard Win32 **VirtualAlloc**() API ...
msdn.microsoft.com/library/ en-us/dnsecure/html/intelitanium.asp - 44k - Feb 5, 2006 - Cached - Similar pages

Designing and Optimizing Microsoft Windows CE .NET for Real-Time ...
... Idle thread 5: One thread calling **VirtualAlloc** and VirtualFree with an infinite
timeout. Designed to flush the cache and the **TLB**. ...
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Daedalus-Lkb
Memory regions allocated with **VirtualAlloc** instead of new (ensures page alignment,
... Currently, **TLB** address resolution still goes thru a function call; ...
daedalus-lkb.sourceforge.net/ - 11k - Cached - Similar pages

RightMark Memory Analyzer 3.0: a New Version of the Universal CPU ...
The next tab (CPU Info / **TLB**) is similar to the previous one, ... A memory block
of a needed size is reserved by invoking **VirtualAlloc**. ...
www.digit-life.com/articles2/ rmma-general/rmma-general-3.html - 67k - Cached - Similar pages

The Old New Thing : Why is the page size on ia64 8K?
... become faster and (most importantly) the **TLB** foot print becomes smaller. ...
can easily imagine analogous code to do page computations for **VirtualAlloc**. ...
blogs.msdn.com/oldnewthing/ archive/2004/09/08/226797.aspx - 52k - Cached - Similar pages

Slava Oks's WebLog : SQLOS's memory manager and SQL Server's ...
The second type is virtual allocator leveraging Windows **VirtualAlloc** APIs. ...
SQLOS and SQL Server use large pages to minimize **TLB** misses when accessing ...
blogs.msdn.com/slavao/archive/2005/02/11/371063.aspx - 52k - Cached - Similar pages
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CodeGuru Forums - page Faults
maybe not, **TLB** I don't think would cause page fault [/edit] ... it worked fine
With **VirtualAlloc**, However page Faults (and of course memory consumption) ...
www.codeguru.com/forum/showthread.php?threadid=252410 - 111k - Supplemental Result -
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[PPT] The Memory Manager in Windows Server 2003 and Windows Longhorn
File Format: Microsoft Powerpoint 97 - View as HTML
Translation look-aside buffer (**TLB**) optimizations. © 2005 Microsoft Corporation
... Allowed parallelization of many operations like **VirtualAlloc**, etc ...
download.microsoft.com/download/f/0/5/ f05a42ce-575b-4c60-82d6-
208d3754b2d6/MemoryManagerInWindows.ppt - Similar pages

QualityCentral C++Builder entries
File Format: Unrecognized - View as HTML
... without checking if this is already committed by a direct call to **VirtualAlloc**.<

br> This ... module.
 Every time when I change something in my xxx.**tlb**-file C ...
members.borland.com/qualitycentral_c_builder.xml - Supplemental Result - Similar pages

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translation look-aside buffer (**TLB**) (you can find out more about the ...
the **VirtualAlloc** and VirtualFree Functions are used to dynamically Reserve, ...
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Slava Oks's WebLog : Be Aware: **VirtualAlloc** with MEM_RESERVE can ...
When system is low on physical memory which includes RAM and swap file, **VAD's**
allocation might fail. The failure will cause **VirtualAlloc*** call to fail. ...
blogs.msdn.com/slavao/archive/2005/06/03/424905.aspx - 13k - Cached - Similar pages

Slava Oks's WebLog : A look at Virtual Address Space - VAS
In order for component to use, allocate, VAS region·they need to use some type
of **VirtualAlloc*** call. Underneath Operating System allocates **VAD**, ...
blogs.msdn.com/slavao/archive/2005/01/27/361678.aspx - 25k - Cached - Similar pages
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Memory Management
Allocating memory using **VirtualAlloc** Memory allocated @300000 Dumping the **Vad**
tree again... VadRoot is located @fe21a9c8 **Vad@** Starting Ending Parent ...
www.windowsitlibrary.com/Content/356/04/4.html - Similar pages

Memory Management
For each block of memory allocated to a process, Windows NT adds a **VAD** entry to
the binary ... PVOID _stdcall **VirtualAlloc**(PVOID, ULONG, ULONG, ULONG); ...
www.windowsitlibrary.com/Content/356/04/3.html - Similar pages

Managing Virtual Memory in Win32 (Memory Technical Articles)
Memory is allocated using **VirtualAlloc** and, once allocated, ... Win32 exposes
the capability of "walking the **VAD** structure" in the VirtualQuery and ...
msdn.microsoft.com/library/ en-us/dngenlib/html/msdn_virtmm.asp - 39k - Cached - Similar pages

Ireland .Net Developers Alliance - Blogs
... order for component to use, allocate, VAS region they need to use some type of
VirtualAlloc* call. Underneath Operating System allocates **VAD**, virtual address ...
www.developers.ie/blogs/default.aspx?CategoryID=12 - 51k - Supplemental Result - Cached - Similar pages

Обзор Virtual Address Space - VAS
Например, если интерфейс **VirtualAlloc** вызывается с флагом COMMIT для ассигнования
1024 байт, ... Объект **VAD** полностью описывает участок VAS, его размер, ...
www.sql.ru/articles/mssql/2005/ 041102AlookAtVirtualAddressSpace.shtml - 24k - Cached - Similar pages

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构成虚拟内存管理基础的结构是**VAD**(Virtual Address ...
www.bytemen.net/dev/html/72.htm - 29k - Supplemental Result - Cached - Similar pages

Virtual address descriptors
... Every process(to be precise process's address space) will >have **VAD** tree. Yes. VADs
are created by **VirtualAlloc** and MapViewOfFile and deleted by appropriate ...
www.osronline.com/lists_archive/ntdev/thread7846.html - 20k - Supplemental Result - Cached - Similar pages

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... if (**Vad**->ControlArea) { FilePointer = **Vad**->ControlArea->FilePointer ...
можно выделить память через **VirtualAlloc** и разместить ...
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